

<p>U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Assistant Secretary for Housing-Federal Housing Commissioner</p> <p>TO: DIRECTORS, HOUSING DIVISION DIRECTORS, MULTIFAMILY DIVISION DIRECTORS, SINGLE FAMILY DIVISION</p>	<p>Series and Series Number:</p> <hr/> <p>MATERIALS RELEASE NO. 1299</p> <hr/> <p>ISSUE DATE: July 28, 1998</p> <hr/> <p>REVIEW DATE: July 28, 2001</p>
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SUBJECT: 1. Product Unipan Lightweight Cement Backer Board

2. Name and Address
of Manufacturer Unifix, Inc.
35 Rue Unifix
Bromont, QC J2L 1N5
Canada

Data on the nonstandard product, described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement, or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 12, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE: Exterior and interior wall backer board on wood or metal studs.

DESCRIPTION:

Unipan board is cementitious, fiberglass reinforced construction product. The core is made of a mixture of polystyrene beads, sand and Portland cement. An alkali-resistant mesh is bonded to the surface of each side to give flexure strength. The board is not deteriorated by water. It is cured in a moist environment to insure sufficient strength development. Typical sizes are 1/2" x 48" x 96", 1/2" x 36" x 60", and 1/2" x 32" x 60" (other sizes available on special order).

PHYSICAL PROPERTIES:

The physical properties of the Unipan meet the following:

<u>Physical Test</u>	<u>Specification</u>	<u>Results</u>
Weight (1/2")	ASTM C 947	2.6 - 2.8 lb./sq. ft.
Flexural Strength	ASTM C 947	1100 psi
Modulus of Elasticity	ASTM C 947	162,545 psi
Compressive Strength	ASTM C 495	971 psi
Water Absorption	ASTM D 1037	8.6%
Linear Expansion	ASTM D 1037	0.049%
Nail Pull Resistance	ASTM D 1037 (wet)	121 lbs.
	(dry)	160 lbs.

Other performance properties of Unipan board are on file in HUD Headquarters.

INSTALLATION:

Unipan board shall be installed on studs or furring members (16" o.c. max.) of an exterior wall and be covered with acrylic or synthetic, ordinary stucco, brick or stone veneer, epoxy matrix/stone aggregate or other finish material approved by Unifix, Inc.

Unifix board can be used as a support board for air/vapor barrier when installed outside wall and as a tile backer board around bathroom, entrance and kitchen areas. Installation shall be in accordance with Unipan Field Installation Instructions.

CERTIFICATION AND IDENTIFICATION:

Unifix, Inc. shall certify that the Unipan lightweight backer board conforms to the requirements of this Materials Release (MR). Warnock Hersey shall validate the manufacturer's certification that the Unipan lightweight backer board meets the requirements of this MR. The quality control test records shall be made available for inspection by HUD upon request.

Each board certified as conforming to this MR shall be marked with the following information:

- a. Unipan backer board.
- b. Manufacturer's name or logo.
- c. Registered logo of Warnack Hersey.
- d. HUD MR 1299.

SAMPLE STAMPS

UNIPAN

BPEC / With



- Listé par ULC
- Listé par Wamock-Hersey
- HUD MR# xxxxx
- Pour usage comme écran de chaleur, voir les instructions du manufacturier
- Pour usage extérieur ou intérieur
- Ulc Listed mineral and fiber board
- Wamock-Hersey Listed
- HUD MR# xxxxx
- For use as heat shield, see manufacturer's instructions
- exterior or interior uses
- Install rough side out

FABRIQUÉ AU CANADA PAR
MADE IN CANADA BY

UNIFIX

2222, Laramie Road
DeZurell (Ames)
N4N 0H0

WARRANTY:

Unifix, Inc. warrants Unipan lightweight cement backer board against any defects due to faulty materials and workmanship in the manufacturing process for a period of ten (10) years from the date of installation.

The liability of Unipan on the warranty shall be limited to replacement of any defective members and the cost of installation; or at the option of Unifix, Inc. payment in lieu thereof.

The warranty applies to any material failure due to manufacture only and does not cover, nor will the manufacturer be liable for, any defects or damage due to misuse, improper installation or damages resulting from fire, lightning or other unforeseen causes beyond the manufacturer control.

The manufacturer's warranty does not relieve the builder, in any way, of responsibility under the terms of the Builder's Warranty required by the National Housing Act, or under any provisions applicable to any other housing program. A copy of the manufacturer's warranty shall be furnished by the builder to the owner.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this Materials Release (MR) commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.
2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the Office of Consumer and Regulatory Affairs, Manufactured Housing and Standards Division, HUD Headquarters, with a representative list of properties in which the material, product or system has been used, including complete addresses or descriptions of locations and dates of installation.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership or mailing address.

EVALUATION:

This MR shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this MR shall apply for renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to HUD Headquarters. Appropriate User Fee shall be sent to:

U.S. Department of Housing and Urban Development
Technical Suitability of Products Fees
P.O. Box 954199
St. Louis, MO 63195-4199

The holder of this MR may apply for revision at any time prior to the Review Date. Minor revisions may be in the form of a supplement to the MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee for a revision will need to be submitted in accordance with Code of Federal Regulatory 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program," and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of the MR. HUD will notify the manufacturer that the MR may be canceled when:

1. conditions under which the document was issued have changed so as to affect production of or to compromise the integrity of the accepted material, product, or system,
2. the manufacturer has changed its organizational form without notifying HUD, or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be canceled. No refund of fees will be made on a canceled document.

This Materials Release is issued solely for the caption firm, and
is not transferable to any person or successor entity.
